

NAVEEN KUMAR

Mechanical Engineer

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Work History

Supplier Development Engineer

May 2016 - till date

Caterpillar BCP India Pvt. Ltd.

- Conduct Tech review with supplier and Engineering Design team for Feasibility of Manufacturing process
- Responsible for all Supplier related issues for Skid Steer Loader plant.
- Supplier Development Engineer For the Engine and Drive train, Electrical, Hydraulics,Non-Metallic and Fabrication category of Skid Steer Loader modal.
- Design process, validate Fixtures, Inspect samples and raise **Engineering Change Request** if necessary. validating **G8D** report corrective action given by Supplier.
- Assessed buildability, manufacturability and integration capability of designed components in partnership with Supplier and Design team to ensure optimal quality of all deliverables.
- Establish process control at supplier end and review **PPAP**.

Quality Assurance

Dec 2013 - May 2016

Drill Jig Bushing Pvt. Ltd.

- Standards of Drill Bushes and Manufacturing Process of tooling components.Known to **GD&T**, Drawing study for critical components.**Developing Of Stage Drawings** with Material Stock Allowance for Machining on next stage. Developing '**POKA YOKA**' (Error Proofing) and Implementation.
- Hands-on experience creating mechanical design drawings using SolidWorks and configuring components using AutoCAD.
- Material types and Heat treatment Process . Measuring Hardness, Material crack testing by **Magnetic Particle Testing(MPI)**, **ULTRA-SONIC testing** , **Measuring of Surface Roughness(Ra)**, **Roundness Checking etc.**
- Preparation and maintenance of Quality Documents such as **PPAP** Documents, process control by **SPC**, **MSA**, Customer rejection analysis, permanent corrective action by forming **G8D** Report.
- ISO **9001:2008** and **ISO/TS 16949:2009** Certification and requirements.
- New Product Development, Decision of **Process Flow Rooting**. Developing of Standard Operating Procedures for Critical Machining Process.

Accomplishment

- Designed a **Gauge** to measure the complicated profile in bush
- Created common Check sheet for Inspecting Family of Parts.
- **Reaming**: Replaced the method of holding by collet instead of chuck in order to attain the straightness of bore.
- **Design Change**: G8D opened for radiator Oil leak in Recovery tank and Design change request made to increase Seal size and Action closed with Corrective Action.
- Project aimed to reduce rework before **Shot Blasting**.

OBJECTIVE

Experienced Mechanical engineer with capabilities to execute technical activities according to outlined policies and procedures seeks a position that will provide ownership of development throughout the product life cycle.

PROFILE SUMMERY

- A competent Professional with experience in Design and Manufacturing.
- **Internal Audits** (including System, Product and Process).
- Determining Process Capability Baselines.
- Preparation and implementation of **Corrective action plan**.

SKILL

Technical Skill

Manufacturing process, Testing methods(NDT), 2D & 3D CAD Drawing and Drafting, Quality Management System.

Problem Solving

Define the problem and identifying root cause to provide corrective action.

Coordinating Ability

coordinating with suppliers for resolving emerging issues.

Computer Proficiency

MS Office, Mid level in Computer Aided Designing and Drafting Software's(CADD) and basics of Plant Management System.

EDUCATION

Higher Secondary	2008 - 2009
Sethu Bhaskara Metriculation Higher Secondary School	
75.3%	
Mechanical Engineering	2009 - 2013
St. Peter's Collage of Engineering and Technology	

CERTIFICATIONS

1. ASNT NDT - *Level 2*
- Magnetic Particle Inspection(*MPI*)
 - Ultra Sonic Testing(*UT*)
 - Radiography testing(*RT*)
 - Penetrant testing(*PT*)
 - Visual Inspection (*VT*)
2. Master Diploma in Computer Aided Designing and Drafting(*CADD*)
3. Plant Design Management System (*PDMS*)

ACHIEVEMENTS

- Six Sigma **Yellow Belt**.
- State Gold medalist **Fencing**.

PERSONAL DETAILS

Date of Birth	:	08-AUGUST-1991
Father Name	:	R .Yuvaraj
Marital Status	:	Single
Nationality	:	INDIAN
Passport Number	:	M1717903
Passport Validity	:	25 Aug 2024.
Skype ID	:	naveenkumar0891

NOTE - Documents will be sharing based on requirement.

Regards

NAVEEN KUMAR . Y